

**BCT Meeting Agenda**  
**April 26, 2005, 1000 - 1445**  
**Tetra Tech Office, 135 Main Street, Suite 1800**  
**San Francisco, CA**

- 1000 New Navy Business (Patrick Brooks)**
- New business
  - Next BCT meeting and review of upcoming meetings
- 1010 Action Item List Review (Patrick Brooks)**
- 1015 Landfill Gas Update (Andrew Baughman)**
- Review March LFG monitoring
- 1045 Parcel B Update (Ryan Ahlersmeyer)**
- IR-07/IR-08 Soil gas sampling
  - IR-10 ZVI
- 1115 2005 Parcel E Shoreline Removal Action Workplan Discussion**
- Metal Reef
  - Metal Slag
  - IR-02 Northwest and Central
  - PCB Hot Spot
- 1200 Lunch**
- 1300 2005 Parcel E Shoreline Removal Action Workplan Discussion (continued)**
- 1415 Document Review Matrix (Patrick Brooks)**
- 1430 Review Action Items (Patrick Brooks)**
- 1445 Adjourn**

Note: Radiological and Risk Assessment Subcommittee Meeting is at 1500 at Anna Waden Library

# Hunters Point Shipyard Meeting Attendance Sheet

Topic: BCT Meeting  
Location: 135 Main Street Suite 1800 San Francisco, CA 94105  
Date/Time: April 26, 2005 / 10:00 a.m.

Organization	Name	Phone Number	E-Mail Address	Present
Navy	Keith Forman	619.532.0913	keith.s.forman@navy.mil	
	Patrick Brooks	619.532.0930	george.brooks@navy.mil	PB
	Ryan Ahlersmeyer	619.532.0960	ryan.ahlersmeyer@navy.mil	RA
	Glenn Christensen	619.532.0924	glenn.christensen@navy.mil	
	Mark Walden	619.532.0931	mark.walden@navy.mil	MW
	Jose Payne	619.532.0962	jose.payne@navy.mil	JP
	Ralph Pearce	619.532.0912	ralph.pearce@navy.mil	RP
	Andrew Baughman	619.532.0902	Andrew.baughman@navy.mil	AB
U.S. EPA	Michael Work	415.972.3024	Work.Michael@epa.gov	MW
	James Ricks	415.972.3023	Ricks.james@epa.gov	JR
DTSC	Tom Lanphar	510.540.3776	tlanphar@dtsc.ca.gov	TL
	Eileen Hughes	510.540.3760	ehughes@dtsc.ca.gov	
RWQCB	Jim Ponton	510-622-2492	jdp@rb2.swrcb.ca.gov	JDP
City of SF/Lennar BVHP	Amy Brownell	415.252.3967	amy.brownell@sfdph.org	AB
	Sigrida Reinis	415.955.9040	sreinis@treadwellrollo.com	SR
	Dorinda Shipman	415.955.9040	dcshipman@treadwellrollo.com	DS
	Diane Sarmiento	510.251.2888	dsarmiel@ch2m.com	AS
	Anne Estabrook	510.587.7646	Anne.estabrook@ch2m.com	AE
Tech Law Inc. EPA contractor	Karla Brasaemle	415.281.8130	kbrasaemle@techlawinc.com	KB
Tetra Tech EM Inc. Navy contractor	Julia Vetromile	415.222.8225	Julia.Vetromile@ttemi.com	JV
	Leslie Lundgren	415.222.8205	Leslie.lundgren@ttemi.com	
	Chris Johnson	415.222.8249	Chris.Johnson@ttemi.com	CJ
Tetra Tech EC Navy contractor	Gerry Slattery	415-671-1990	gslattery@TtEC.com gerard.slattery@TtEC.com	GS
	Luis Rivero	619.471.3502	lrivero@TtEC.com	LR
	Daryl DeLong	415-671-4490	daryl.delong@TtEC.com	DD
ITSI Navy contractor	Arvind Acharya	925.946.3100	aacharya@itsi.com	
	Jim Schollard	925.946.3107	jschollard@itsi.com	
	STEVE EDDE	925.250.4670	Sedde@itsi.com	SE
Shaw Group/ EMCON Navy contractor	Dan Leigh	925.288.2193	Daniel.leigh@shawgrp.com	
CDM Navy contractor	Matt Brookshire	858.268.3383		
Restoration Advisory Board	Barbara Bushnell	415.285.1313	bbush58@yahoo.com	BB
CFC	Clifton Smith	510.769.2080	Clifton.smith@sbcglobal.net	
ERRG Tt Sec	DOUG BIELSKIS	925.726.4119	dbielskis@errg.net	DB
	Glynn Powell	916.883.4561		GP

# Hunters Point Shipyard Calendar

## APRIL 2005

<i>SUN</i>	<i>MON</i>	<i>TUE</i>	<i>WED</i>	<i>THU</i>	<i>FRI</i>	<i>SAT</i>
<b>Notes:</b> BCT: Base Realignment and Closure Cleanup Team MBCO: Membership Bylaws and Community Outreach PCB: Polychlorinated Biphenyl RAB: Restoration Advisory Board RTC: Response to comments TTECI: Tetra Tech EC (Foster Wheeler) TtEMI: Tetra Tech EM Inc.					<b>1</b>	<b>2</b>
<b>3</b>	<b>4</b> Continued Aerobic Bioremediation Pilot Study at IR25  RTCs due – Metal Reef/Metal Slag Removal Work Plan	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b> Metal Reef/Metal Slag Mobilization	<b>9</b>
<b>10</b>	<b>11</b> RTCs due – PCB Hotspots Removal Work Plan  PCB Hot Spots Mobilization	<b>12</b> Landfill Gas Monitoring	<b>13</b> Survey and Geophysics at IR-07/18	<b>14</b>	<b>15</b>	<b>16</b>
<b>17</b>	<b>18</b> Begin IR-07/18 soil gas measurements (through 4/22)	<b>19</b>	<b>20</b> IR-02 Northwest/Central Mobilization MBCO Subcommittee Meeting 6:30-8:00 p.m. Anna Waden Library, 5075 Third Street, San Francisco 94124	<b>21</b> Technical Subcommittee Meeting 6:30 p.m. Southeast Community College Room #203 1800 Oakdale Ave, San Francisco, CA 94124	<b>22</b>	<b>23</b>
<b>24</b>	<b>25</b> RTCs due – IR-02 NW/Central Removal Work Plan	<b>26</b> BCT Meeting 10–3 TtEMI 135 Main Street, Suite 1800 San Francisco 94105 Lowman RAD/Risk Review Subcommittee 3–4 Anna Waden Library, 5075 Third Street, San Francisco 94124	<b>27</b> RAB Meeting 6-8:00 Dago Mary's Building 916 San Francisco 94125	<b>28</b> Economic Subcommittee/Trucker Contracting Meeting 6:00 p.m. TTECI Trailer HPS, San Francisco 94124	<b>29</b>	<b>30</b>

# Hunters Point Shipyard Calendar

## MAY 2005

<i>SUN</i>	<i>MON</i>	<i>TUE</i>	<i>WED</i>	<i>THU</i>	<i>FRI</i>	<i>SAT</i>
1	2	3	4	5	6	7
8	9	10	11 MBCO Subcommittee Meeting 6:30-8:00 p.m. Anna Waden Library, 5075 Third Street, San Francisco 94124	12 Southeast Community Facility Commission – HPS Update 1800 Oakdale Avenue, SF 6:00-8:00 pm  Begin excavation at PCB Hotspots	13	14
15	16	17	18	19	20	21
22	23 Begin excavation at IR-02 Northwest/Central	24 BCT Meeting 10–3 TtEMI 135 Main Street, Suite 1800 San Francisco 94105 Lowman RAD/Risk Review Subcommittee 3–5 Anna Waden Library, 5075 Third Street, San Francisco 94124	25 RAB Meeting 6-8:00 Dago Mary's Building 916 San Francisco 94125	26	27	28
29	30	31	<b>Notes:</b> BCT: Base Realignment and Closure Cleanup Team MBCO: Membership Bylaws and Community Outreach RAB: Restoration Advisory Board TtEMI: Tetra Tech EM Inc.			

# Hunters Point Shipyard Calendar

## JUNE 2005

<i>SUN</i>	<i>MON</i>	<i>TUE</i>	<i>WED</i>	<i>THU</i>	<i>FRI</i>	<i>SAT</i>
<b>Notes:</b> BCT: Base Realignment and Closure Cleanup Team MBCO: Membership Bylaws and Community Outreach RAB: Restoration Advisory Board TtEMI: Tetra Tech EM Inc.			<b>1</b> Begin excavation at Metal Reef/Metal Slag Areas	<b>2</b>	<b>3</b>	<b>4</b>
<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b> MBCO Subcommittee Meeting 6:30-8:00 p.m. Anna Waden Library, 5075 Third Street, San Francisco 94124	<b>9</b>	<b>10</b>	<b>11</b>
<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>
<b>19</b>	<b>20</b>	<b>21</b> BCT Meeting 10-3 TtEMI 135 Main Street, Suite 1800 San Francisco 94105 Lowman RAD/Risk Review Subcommittee 3-5 Anna Waden Library, 5075 Third Street, San Francisco 94124	<b>22</b> RAB Meeting 6-8:00 Dago Mary's Building 916 San Francisco 94125	<b>23</b>	<b>24</b>	<b>25</b>
<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>Notes:</b>	

## ATTACHMENT B

### HUNTERS POINT SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS

Action	Date Identified	Responsible Party	Date Due	Date Accomplished	Notes
<b>Basewide:</b> Conduct groundwater and radiological program overview and confirm schedule dates with Mr. James Ricks (EPA).	22-Feb-05	Patrick Brooks (Navy) Glenn Christensen (Navy) James Ricks (EPA)	April 2005	April 6, 2005	Radiological briefing held – April 6. EPA to reschedule if groundwater briefing is needed.
<b>Basewide:</b> Revisit the RAMP as part of the annual groundwater report. Review comments on the Basewide Groundwater monitoring plan prior to making recommendations for next year's sampling.	22-Feb-05	Patrick Brooks (Navy)	May 2005		To be completed with the annual groundwater monitoring report for Parcel B.
<b>Basewide:</b> Explore the possibility of constructing maps with flags for key wells containing specific compounds.	22-Mar-05	Patrick Brooks (Navy) Glenn Christensen (Navy)	Spring/Summer 2005		Additional clarification needed.
<b>Basewide:</b> Construct maps with links to graphs of relevant compounds for key wells and provide electronic version to BCT.	22-Mar-05	Patrick Brooks (Navy) Glenn Christensen (Navy)	April 2005	April 18, 2005	Electronic maps provided to the BCT.
<b>Basewide:</b> Provide contact information to Navy to report dead birds.	22-Mar-05	Amy Brownell (City)	April 2005	March 23, 2005	Telephone number is 1-877-WNV-BIRD.
<b>Parcel B:</b> Discuss possible additional actions associated with exceedance of RAMP trigger levels.	July 2004	Patrick Brooks (Navy) Glenn Christensen (Navy) Jim Ponton (Water Board)	Spring 2005		Postponed pending completion of annual groundwater monitoring report, which is currently being prepared.
<b>Parcel C:</b> Provide boring logs for IR25MW-54A and IR25MW-53A to BCT.	22-Mar-05	Patrick Brooks (Navy)	April 2005	April 2005	Complete.
<b>Parcel D:</b> Remind the BCT of the rationale for "the notch" in Parcel D/E boundary and indicate the basis of that rationale - a groundwater, soil, or building issue?	22-Mar-05	Patrick Brooks (Navy)	April 2005		Under evaluation.

**ATTACHMENT B****HUNTERS POINT SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS (Continued)**

<b>Action</b>	<b>Date Identified</b>	<b>Responsible Party</b>	<b>Date Due</b>	<b>Date Accomplished</b>	<b>Notes</b>
<b>Parcel E:</b> Send an electronic version of the Parcel E map depicting the removal action locations to Ms. Karla Brasaemle (Tech Law), Mr. Michael Work (EPA), Ms. Amy Brownell (City), and Mr. Jim Ponton (Water Board).	22-Feb-05	Patrick Brooks (Navy)	April 2005	April 2005	Complete.
<b>Parcel E:</b> Submit Asbestos Dust Mitigation Plans to BAAQMD 60 days before conducting any removal activities.	22-Feb-05	Patrick Brooks (Navy) Jose Payne (Navy)	June 2005		In progress.
<b>Parcel E:</b> Conduct land survey prior to geophysical survey work at IR07/18.	22-Feb-05	Patrick Brooks (Navy) Ryan Ahlersmeyer (Navy)	June 2005	April 2005	Complete.
<b>Parcel E:</b> Provide criteria for dust monitoring during shoreline removal actions to the BCT.	22-Mar-05	Patrick Brooks (Navy) Ryan Ahlersmeyer (Navy)	Spring/Summer 2005		In progress.
<b>Parcel E:</b> Explore the possibility of extending terrestrial erosional control measures into the fall until vegetation has taken hold at shoreline removal locations.	22-Mar-05	Patrick Brooks (Navy) Jose Payne (Navy)	Fall 2005		Accepted.
<b>Parcel E:</b> Explore possibility of including dissolved metals in water quality parameters measured outside and inside the silt curtain at the shoreline removal areas and compare these measures to baseline levels and aquatic life criteria.	22-mar-05	Patrick Brooks (Navy) Jose Payne (Navy)	Spring/Summer 2005		Under evaluation.
<b>Parcel E:</b> Correct the location of the radiological monitoring portal on the map of removal truck routes.	22-Mar-05	Patrick Brooks (Navy)	April 2005	April 2005	Done.

## ATTACHMENT B

### HUNTERS POINT SHIPYARD BASE REALIGNMENT AND CLOSURE CLEANUP TEAM ACTION ITEMS (Continued)

Action	Date Identified	Responsible Party	Date Due	Date Accomplished	Notes
<b>Parcel E:</b> Provide contact information regarding the purchase of soil for backfill from restoration work at Golden Gate Park for construction of pads at shoreline removal locations to the Navy.	22-Mar-05	Jim Ponton (Water Board)	April 2005	April 2005	Done.
<b>Parcel E:</b> Provide off-shore geophysical survey for metal reef/metal slag removal workplans to the BCT.	22-Mar-05	Jose Payne (Navy)	Spring 2005		Information will be included with the responses to comments.
<b>Parcel E:</b> Conference call between EPA and Navy regarding off-shore geophysical survey.	22-Mar-05	Jose Payne (Navy) Michael Work (EPA) Karla Brasaemle (Tech Law)	March 31, 2005	March 31, 2005	Completed.
<b>Parcel F:</b> Schedule meeting to discuss Parcel F FS Scoping meeting.	22-Mar-05	Patrick Brooks (Navy)	Spring 2005		Following resolution of VSR comments.

#### Notes:

BAAQMD Bay Area Air Quality Management District  
 DTSC Department of Toxic Substances Control  
 EPA U.S. Environmental Protection Agency  
 FS Feasibility study  
 NA Not applicable  
 Navy U.S. Department of the Navy  
 RAB Restoration advisory board  
 RAMP Remedial action monitoring plan  
 TMSRA Technical memorandum in support of a ROD amendment  
 Water Board San Francisco Regional Water Quality Control Board



**Recent Completed Review Periods  
Document Review Table  
Hunters Point Shipyard**

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
1	B	RTCs for Draft Construction Summary Report	1/15/2004	TBD	Agency comments on draft RTCs linked with HHRA proposal; final CSR with RTCs planned following completion of draft TMSRA				
2	B	Draft CAP Addendum	4/15/2004	6/30/2004	Final report with RTCs pending receipt/resolution of agency comments	n/a	n/a	pending discussion with Navy	n/a
3	F	Draft Final Validation Study Report	8/18/2004	3/24/2005	Final report with RTCs planned following resolution meeting (5/2/05)	10/8/2004	3/18/2005	3/22/2005	
4	E-2	PCB Removal Action Action Memorandum	1/12/2005	2/17/2005	Final report scheduled for 5/12/05	2/15/2005	2/3/2005	2/7/2005	
5	D	Draft Removal Action Closeout Report	2/3/2005	3/22/2005	Final planned for 5/13/05 submittal	3/28/2005	4/12/2005		
6	E-2	PCB Removal Action Work Plan	2/25/2005	4/11/2005	Final scheduled for 5/17/05 submittal	4/12/2005	4/21/2005	4/17/2005	
7	E	Metal Reef/Slag Removal Action Implementation Work Plan	2/28/2005	4/14/2005	RTCs scheduled for 5/16/05	4/14/2005	4/11/2005	4/5/2005	4/11/2005
8	E-2	Draft December 2004 Monthly Gas Monitoring Report	3/2/2005	4/4/2005	Final scheduled for 4/25/05 submittal	4/7/2005			
9	E-2	Draft January 2005 Monthly Gas Monitoring Report	3/2/2005	4/4/2005	Final scheduled for 4/25/05 submittal	4/7/2005			
10	E	IR-02 NWC Removal Action Workplan	3/9/2005	4/25/2005	Final scheduled for 5/30/05 submittal			4/7/2005	

Notes:

\* - comments deferred to other agency

n/a - not applicable

TBD - to be determined

**Ongoing Review Periods  
Document Review Table  
Hunters Point Shipyard**

Item	Parcel	Document Name	Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
1	C	Draft Dry Dock 4 Water Sampling Summary Report, includes Caisson results	3/31/2005	4/30/2005	Final scheduled for 7/15/05 submittal				
2	E-2	Draft February 2005 Monthly Gas Monitoring Report	4/4/2005	4/19/2005	Final scheduled for 4/22/05 submittal				
3	C	Follow-on Zero Valent Iron Treatability Study Cost and Performance Evaluation	4/21/2005	n/a	For information purposes only.				
4	E-2	Draft March 2005 Monthly Gas Monitoring Report	4/21/2005	5/24/2005	Final scheduled for 6/7/05 submittal				
5	E-2	Final February 2005 Monthly Gas Monitoring Report	4/22/2005	na	For information purposes only.				
6	E-2	Final December 2004 Monthly Gas Monitoring Report	4/25/2005	na	For information purposes only.				
7	E-2	Final January 2005 Monthly Gas Monitoring Report	4/25/2005	na	For information purposes only.				
8	B	Draft July to September 2004 Basewide Groundwater Monitoring Report	4/29/2005	30 days from submittal date	Final planned for 6/20/05 submittal				
9	C,D,E	Draft July to September 2004 Basewide Groundwater Monitoring Report	4/29/2005	30 days from submittal date	Final planned for 6/20/05 submittal				
10	D	Final Removal Action Closeout Report	5/13/2005	30 days from submittal date	For information purposes only.				
11	E	RTCs Metal Reef/Slag Removal Action Implementation Work Plan	5/16/2005		For information purposes only.				
12	B	RTCs Construction Summary Report (CSR). Addendum (sites not included in CSR I)	5/18/2005	n/a	For information purposes only.				

Notes:

\* - comments deferred to other agency

n/a - not applicable

TBD - to be determined

**Upcoming Review Periods  
Document Review Table  
Hunters Point Shipyard**

Item	Parcel	Document Name	Approximate Submittal Date	Expected Date for Comments	Notes	Agency Submittal of Comments			
						EPA	DTSC	RWQCB	City of SF
1	F	Final Validation Study Report	5/2/2005	na	For information purposes only.				
2	E-2	Final PCB Removal Action Memorandum	5/12/2005	n/a	For information purposes only.				
3	E-2	Final PCB Removal Action Workplan	5/17/2005	n/a	For information purposes only.				
4	B	Draft October to December 2004 Basewide Groundwater Monitoring Report (Annual Report)	5/20/2005	45 days from submittal date	Final scheduled for 8/3/05 submittal				
5	C,D,E	Draft October to December 2004 Basewide Groundwater Monitoring Report	5/20/2005	30 days from submittal date	Final scheduled for 8/3/05 submittal				
6	E-2	Draft April 2005 Monthly Gas Monitoring Report	5/26/2005	30 days from submittal date	Final scheduled for 7/12/05 submittal				
7	E	Final IR-02 NWC Removal Action Workplan	5/30/2005	na	For information purposes only.				
8	E	Draft Shoreline Characterization Technical Memorandum	6/1/2005	45 days from submittal date	RTCs scheduled for 8/31/05 submittal				
9	E-2	Final March 2005 Monthly Gas Monitoring Report	6/7/2005	na	For information purposes only.				
10	B	Draft July to September 2004 Basewide Groundwater Monitoring Report	6/20/2005	na	For information purposes only.				
11	C,D,E	Draft July to September 2004 Basewide Groundwater Monitoring Report	6/20/2005	na	For information purposes only.				
12	E-2	Draft May 2005 Monthly Gas Monitoring Report	6/23/2005	30 days from submittal date	Final scheduled for 8/9/05 submittal				
13	D	Draft Final Feasibility Study	6/24/2005	45 days from submittal date	Final scheduled for 9/22/05				
14	B	Draft January to March 2005 Basewide Groundwater Monitoring Report	6/30/2005	30 days from submittal date	Final scheduled for 10/4/2005				
15	E-2	Final April 2005 Monthly Gas Monitoring Report	7/12/2005	na	For information purposes only.				
16	B	Draft IR-07 / IR-18 Soil Gas Investigation Technical Memorandum	7/15/2005	45 days from submittal date	Final scheduled for 9/28/05				
17	C	Final Dry Dock 4 Water Sampling Summary Report, includes Caisson results	7/15/2005	30 days from submittal date	For information purposes only.				
18	E	Draft Remedial Investigation	7/19/2005	45 days from submittal date	Draft final scheduled for 10/28/2005				
19	E-2	Draft June 2005 Monthly Gas Monitoring Report	7/21/2005	30 days from submittal date	Final scheduled for 9/6/05 submittal				



## **Parcel E-2 Landfill Gas Update for April 2005**

**Hunters Point Shipyard  
BCT Meeting  
April 26, 2005**

### **Monitoring Locations**



- **32 GMPs**
  - 14 Barrier Wall and Landfill Boundary (Fence Line)  
(five passive vents are also monitored)
  - 5 UCSF Compound
  - 13 Crisp Avenue
- **On-site Structures**
  - Groundwater Extraction Well Vaults (25 total: 18 extraction well vaults, 7 electrical vaults)
  - 2 Catch Basins
- **UCSF Compound**
  - Building 830 crawl space
  - Surface scans at 3 locations

## Parameters Monitored



Item	Units	GMPs	Structures	Surface
Methane	Percent; percent LEL	X	X	X
Background NMOCs	parts per million	X	X	X
NMOCs	parts per million	X	X	X
CO <sub>2</sub>	percent	X	X	X
O <sub>2</sub>	percent	X	X	X
Soil Gas Pressure	inches of water	X		

In addition, temperature and barometric pressure are recorded at the meteorological station

## Summary of Monitoring Results



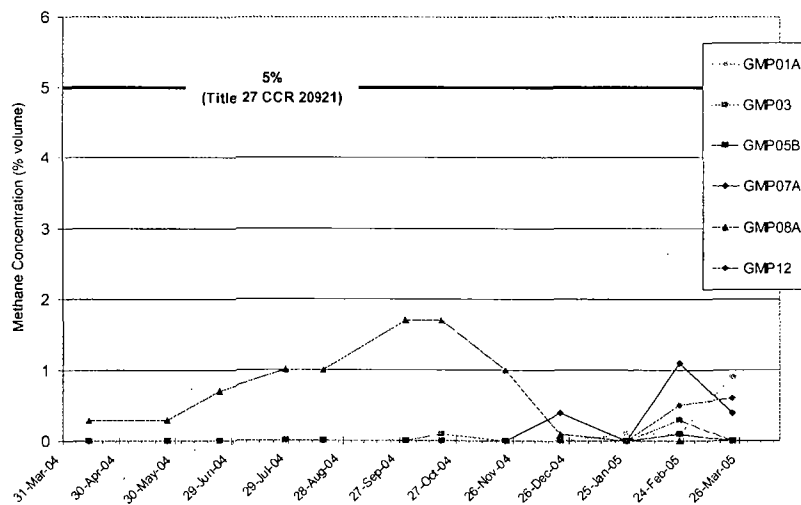
- March 22, 2005 monitoring results indicate:
  - below 5% in all GMPs and ambient air locations
  - below 1.25% (action level for increased monitoring frequency) in all on-site structures except for EW-154B (1.3%).
- Methane was not detected at any Crisp Avenue GMPs or at any UCSF GMPs.
- Methane was detected at three Fence Line GMPs (GMP01A at 0.9%, GMP07A at 0.4%, and GMP12 at 0.6%).
- NMOCs were well below action levels (5 ppm at on-site structures and utilities, 500 ppm at GMPs) at all locations.
- Temporary power (via generator) continues to be provided for the control system, pending installation of a new power pole.

## Monitoring Results – March 2005



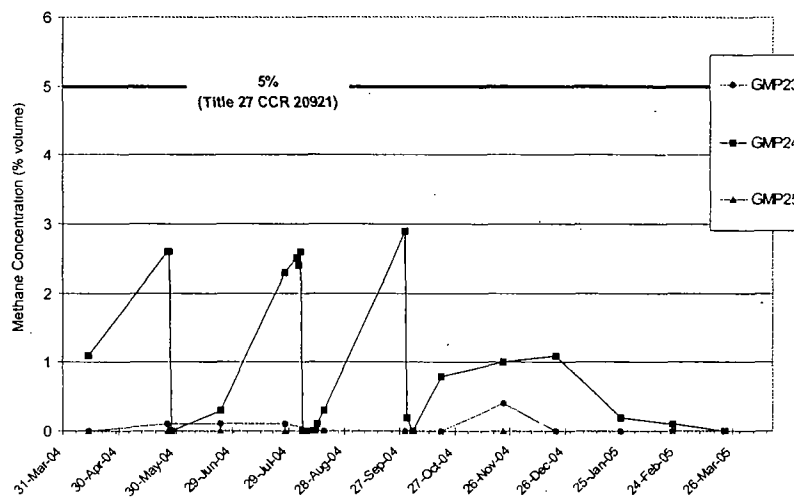
System	Methane	NMOCs	Action
Crisp Ave. GMPs	ND	< 1 ppm	No action
On-site Structures	EW154B=1.3% < 1.25% in all others	< 1 ppm	EW154B was vented and secured until methane declined to 0%. Notified Navy who notified BCT and CWIMB.
UCSF Compound	ND	< 500 ppm (GMP23=0.9 ppm, GMP24=6.1 ppm)	No action
Building 830	ND	< 1 ppm	No action
Fence Line GMPs	< 2.5% all GMPs (GMP01A=0.9%; GMP07A=0.4%; GMP12= 0.6%)	< 1 ppm	No action
Control System	0–49.2%	< 1 ppm at effluent	Active extraction at PV-02. Passive at PV-01 & PV-03 thru PV-05.

## Methane Concentrations at Fence Line GMPs



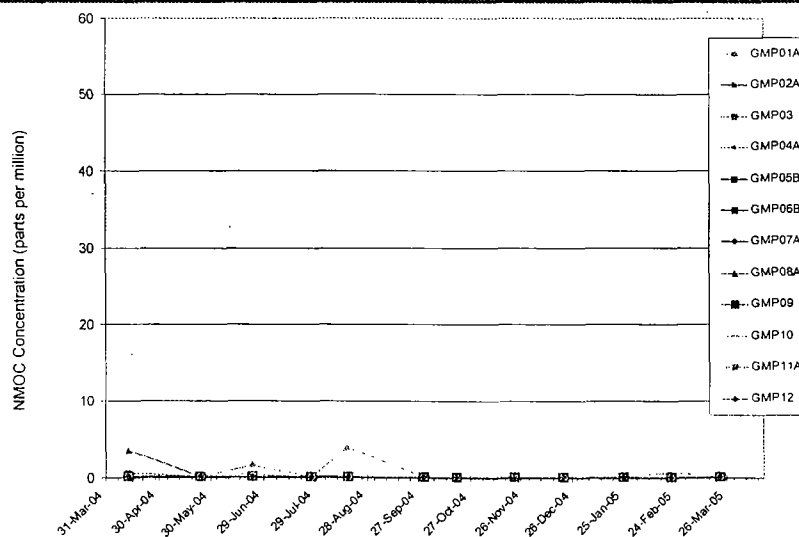
Methane was not detected at GMPs 02A, 04A, 06B, 09A, 10A, and 11A. These GMPs are not plotted for the sake of clarity.

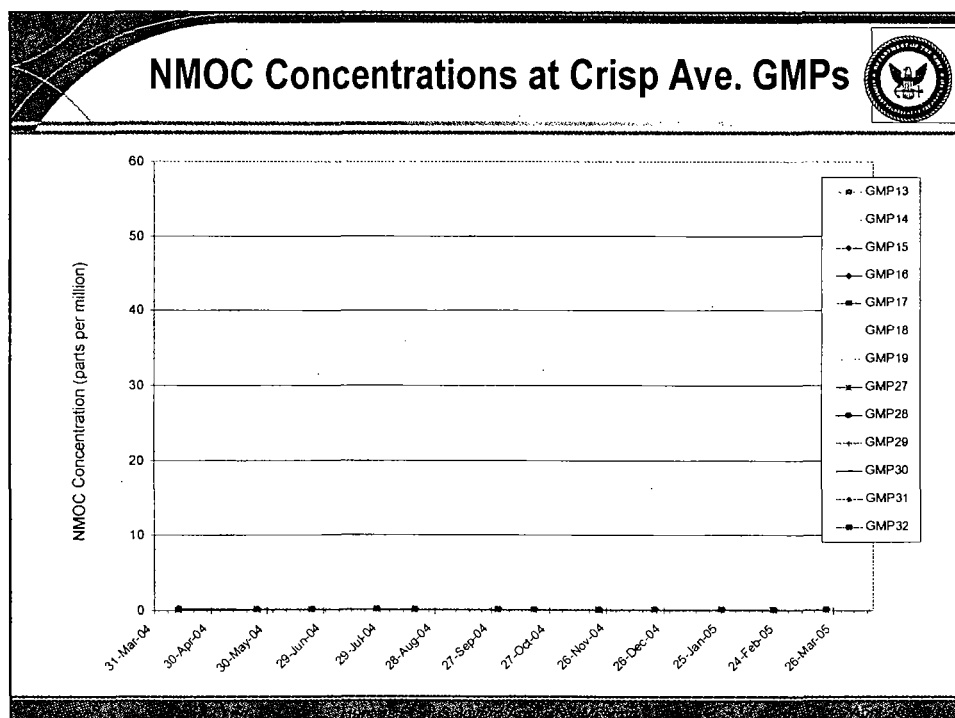
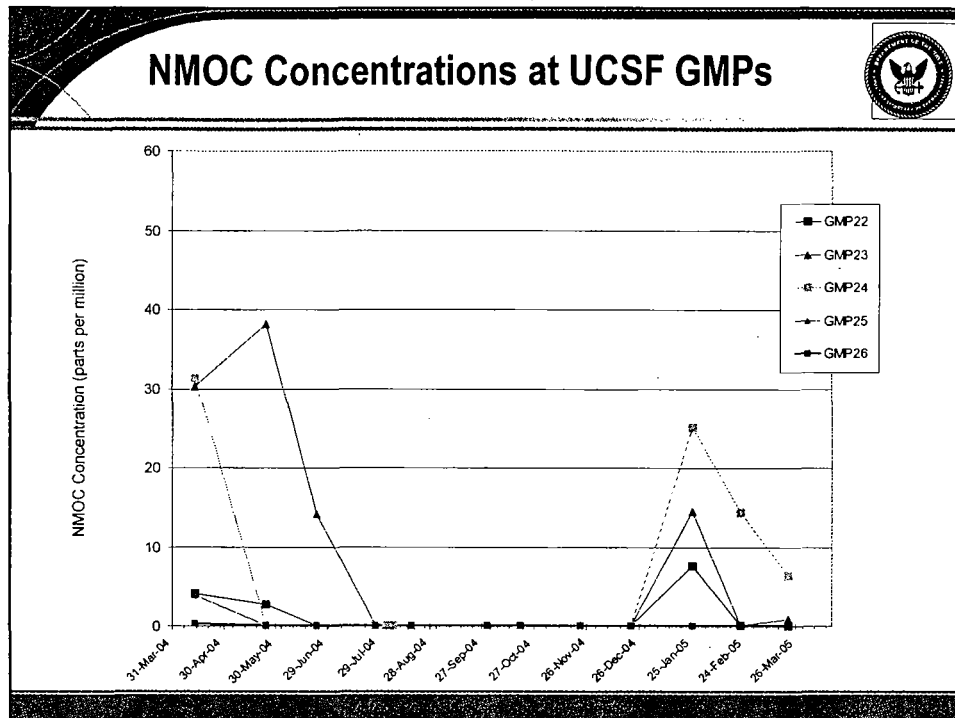
## Methane Concentrations at UCSF GMPs



Methane was not detected at GMPs 22 and 26. These GMPs are not plotted for the sake of clarity.

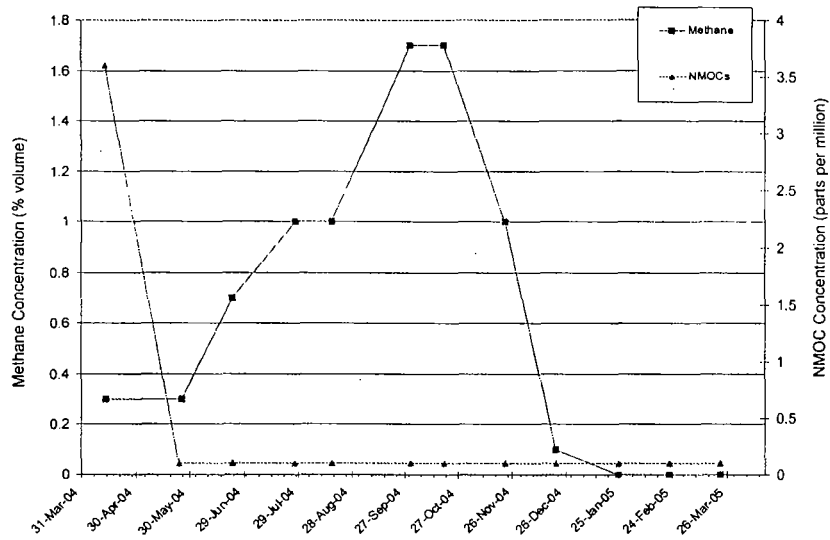
## NMOC Concentrations at Fence Line GMPs







## Methane and NMOCs vs. Time for GMP08A





# **Time-Critical Removal Actions Hunters Point Shipyard**

**BCT Meeting**  
April 26, 2005



## **Presentation Objectives**

- **Discussion of Agency Agency Key Concerns**
- **Comment resolution**
- **Timeline**
- **Next steps**

## Comments Received



- **Metal Debris Reef / Metal Slag Areas Draft Work Plan**  
(issued February 18)
  - RWQCB (received March 31)
  - DHS (received April 11)
  - EPA (received April 14)
- **PCB Hot Spot Soil Excavation Draft Work Plan**  
(issued February 25)
  - RWQCB (received April 1)
  - EPA (received April 12)
  - DHS (received April 12)
  - DTSC (received April 21)
- **IR-02 Northwest and Central (issued March 9)**
  - RWQCB (received April 5)
  - Comments are due April 25

## Agency Key Concerns - MDR and MSA



- Sampling for non-radioactive contaminants.
- Request for use of "armor rock" for shoreline protection and reduce habitat for rats.
- Request for water quality sampling location to be within 20 feet from silt curtain.
- Sampling of dissolved metals for water column monitoring as part of proposed sampling analysis (inside and outside of siltcurtain).
- Impacts to wetlands, monitoring plan for wetlands, and wetland scientist/biologist with expertise in wetlands reconstruction.
- Request for limited trenching beyond the excavation boundary to verify extent of waste.

## **Agency Key Concerns - MDR and MSA**



**Sampling for non-radioactive contaminants at excavation limit.**

- The Navy will add post-excavation characterization sampling for non-radioactive constituents for the bottom and sides of the excavation.

## **Agency Key Concerns - MDR and MSA**



**Request for investigation concerning use of "armor rock" for shoreline protection and habitat for rats.**

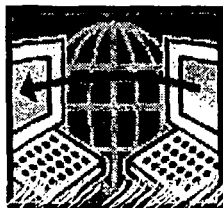
- Armor rock will be used.

## Agency Key Concerns - MDR and MSA



**Request for water quality sampling location to be within 20 feet from silt curtain.**

– OPEN DISCUSSION



## Agency Key Concerns - MDR and MSA



**Request for sampling of dissolved metals for water column monitoring.**

- A dissolved metals sampling protocol will be included in the Draft Final Work Plan. Water quality samples for dissolved metals will be collected when water quality samples for radioactive analytes are collected. Background samples to establish baseline will be collected prior to commencement of excavation activities.

## **Agency Key Concerns - MDR and MSA**



**Impacts to wetlands, monitoring plan for wetlands, and wetland scientist/biologist with expertise in wetlands reconstruction**

- A stand alone Wetland Mitigation and Monitoring Plan, which will include maps, is being created to ensure that there will be no net loss of wetland acreage and no net loss of wetland value. The mitigation plan includes monitoring and performance criteria.**
- A project wildlife biologist has been identified in the EPP and will be added to all contact lists.**

## **Agency Key Concerns - MDR and MSA**



**Request for limited trenching beyond the excavation boundary on the offshore side of the excavation.**

- Limited trenching at MDR and MSA will be performed beyond the boundary of the excavation. This trenching will be conducted to confirm the results of the geophysical surveys and ensure that the metal slag and debris does not extend beyond the current excavation limits.**

## Agency Key Concerns - PCB Hot Spot



- Request for additional detail or reference of specific agreement concerning the 3,500 ppm total-TPH goal.
- Concern about the 100 ppm PCB goal.
- Discussion on excavation boundary.
- Request for clarification on whether the Navy's intent is to obtain free release of the site.

## Agency Key Concerns - PCB Hot Spot



Request for additional detail or reference of specific agreement concerning the 3,500 ppm total-TPH goal.

- Cleanup goal will be corrected to read 3,500 ppm
- The Draft Final Work Plan will be corrected to reflect the actual parties of the agreement.

## Agency Key Concerns - PCB Hot Spot



### Concern about the 100 ppm PCB goal.

– The cleanup goal was adopted based on 40 CFR (part 761) – Disposal of Polychlorinated Biphenyls (PCBs), which states that PCBs "...may remain at a cleanup site at concentrations  $> 25$  ppm and  $\leq 100$  ppm if the site is covered with a cap meeting the requirements of paragraphs (a) (7) and (a) (8) of this section."

- This will enable evaluation of a cap in the Parcel E and E-2 Feasibility Studies.
- Will require revisiting the site if an alternate remedy is selected.

## Agency Key Concerns - PCB Hot Spot



### Discussion on excavation boundary.

– The time-critical removal action of PCBs is not intended to be parcel-wide. The intent of the removal action is to clean up PCBs that may be potential historic source areas to Parcel F (Battelle, 2005).



## **Agency Key Concerns - PCB Hot Spot**



**Request for clarification on whether the Navy's intent is to obtain free release of the site.**

- The Navy does not intend to propose free release of the site.**

## **Agency Key Concerns - IR-02 NW & Central**



- Request that soils exceeding appropriate screening concentrations for non-radiological contamination not be reused for site restoration.**
- Request for clarification on how sandblast grit will be recognized during investigation.**

## Agency Key Concerns - IR-02 NW & Central



**Request that soils exceeding appropriate screening concentrations for non-radiological contamination not be used for site restoration.**

- Soil screened for radioactivity will be placed back into the excavation and covered with a minimum of 3-foot layer of clean fill (ecologically protective).**
  - Non-rad contaminant levels consistent with remainder of Parcel E
    - Remedy selection will be site-wide
  - Soil will be characterized and backfilled in order of removal
- Navy will remove all debris, sandblast grit, and free product as encountered**
- To address concerns related to dissolution, expand and refine groundwater monitoring network**

## Agency Key Concerns - IR-02 NW & Central



**Request for clarification on how sandblast grit will be recognized during investigation**

- The site will be excavated on a 50 x 50 foot grid to facilitate identifying and segregating sand blast waste and debris for offsite disposal**
  - A spotter will be used during the excavation work. The spotter will be trained in the recognition of sandblast grit as well as underground utilities. If the spotter or other site personnel recognize sandblast grit, the material will be segregated and sampled for radioactive contamination.

## Timeline Parcel E Removal Action Projects



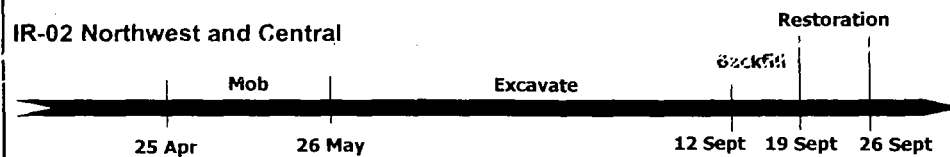
### Metal Debris Reef/Metal Slag Areas



### PCB Hot Spot



### IR-02 Northwest and Central



## Next Steps



- Issue RTCs and Draft Final work plans for all three removals.
- Begin field work at PCB Hot Spot and IR-02 Northwest and Central on May 12, 2005.
- Begin work at Metal Debris Reef and Metal Slag Area June 2005.

